

# The Spread Path of Hoax News in Social Media (Facebook) using Social Network Analysis (SNA)

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**Abstract**—A social media is one of the ways to connect every individual in all the world. The use of an unwise social media can cause a negative effect as a spread of hoax news. The spread path of hoax in the social media is difficult to be seen because of the users of social media who come from many different regions and make it difficult to know where the source of that news is and which region gets the impact the most of that hoax news. This research aims at identifying the spread path of hoax news in Indonesia by using Social Network Analysis (SNA). The result of this research is the source of the news and the list of regions which become the center of the hoax news spread and the users who bring impact in the spread regions.

**Keywords:** Hoax, Social Media, Social Network Analysis, Traceback



